

Table 3

		Ex. 3	<u>Com.</u> Ex. 9	Ex. 5	<u>Com.</u> Ex. 10
Sheath material					
	Thermoplastic polyurethane elastomer*1	50	50	50	50
	Thermoplastic polyester elastomer*2	50	50	50	50
	Crosslinking prompter*3	5	5	5	5
	Melamine cyanurate*4	20	20		30
	Magnesium hydroxide*5			30	
Inner sheath material					
	EVA*6		100	100	100
	EVA*7	100			
	Aluminum hydroxide*8	100	200	100	
	Magnesium hydroxide*5				
Heat adhesion property	N/cm	30.7	37.9	28.5	24.1
combustion time	Sec.	1	2	12	6
Low-temp. bending prop. (-40°C)		good	breakage	good	good
Abrasion resistance	m	10.2	5.9	11.0	28.4
Evaluation		◎	○	◎	◎

Table 4

		Com. Ex. 7	Com. Ex. 8	Com. Ex. 11	Com. Ex. 12
Sheath material					
	Thermoplastic polyurethane elastomer*1	50	50	50	50
	Thermoplastic polyester elastomer*2	50	50	50	50
	Crosslinking prompter*3	5	5	5	5
	Melamine cyanurate*4	40		10	10
	Magnesium hydroxide*5		50		
Inner sheath material					
	EVA*6	100	100	100	100
	EVA*7				
	Aluminum hydroxide*8	100	100	150	125
	Magnesium hydroxide*5				
Heat adhesion property	N/cm	18.1	16.9	52.6	51.6
Combustion time	Sec.	1	10	3	19
Low-temp. bending prop. (-40℃)		good	good	breakage	good
Abrasion resistance	m	10.6	9.8	7.4	8.3
Evaluation		×	×	○	○

Table 5

		Ex. 9	Ex. 10	Ex. 11	Ex. 12	Com. Ex. 13
Sheath material						
	Thermoplastic polyurethane elastomer*1	50	50	50	50	50
	Thermoplastic polyester elastomer*2	50	50	50	50	50
	Crosslinking prompter*3	5	5	5	5	5
	Melamine cyanurate*4					
	Magnesium hydroxide*5	10	10	10	10	10
Inner sheath material						
	EVA*6	100	100	100		
	EEA*9				100	100
	Aluminum hydroxide*8	100				150
	Magnesium hydroxide*5		70			
	Aluminum hydroxide*11			70	70	
Heat adhesion property	N/cm	54.1	51.3	53.6	53.1	55.6
Combustion time	Sec.	26	22	4	18	11
Low-temp. bending prop. (-40℃)		good	good	good	good	good
Abrasion resistance	m	10.9	14.8	15.7	13.1	6.9
Evaluation		◎	◎	◎	◎	○